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### **In the claims**

Claims 1-58 (cancelled)

Claim 59. (new) A fusion protein, comprising: a selenocysteine-containing peptide fused to a surface protein displayed on an amplifiable genetic particle selected from a virus and a cell.

Claim 60 (cancelled)

Claim 61 (new): A fusion protein according to claim 59, wherein the covalent linkage between the selenocysteine-containing peptide and the surface protein is a peptide bond.

Claim 62 (currently amended): A fusion protein according to claim 59, wherein the selenocysteine-containing peptide is expressed by a DNA having a TGA codon and a selenocysteine insertion sequence.

Claim 63 (new): A fusion protein according to claim 62, wherein the selenocysteine insertion sequence is located downstream of the TGA codon.

Claim 64 (currently amended): A fusion protein according to claim 60 59, wherein the selenocysteine is flanked on either or both sides by one or more randomized amino acids.

Claim 65 (withdrawn): A fusion protein according to claim 59, wherein the selenocysteine in the peptide is positioned adjacent to one side of

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one or more randomized amino acids, the one or more randomized amino acids being flanked on a second side by a cysteine.

Claim 66 (withdrawn): A fusion protein according to claim 59, wherein the selenocysteine in the peptide is capable of chemical derivatization of the selenol group.

Claim 67 (withdrawn): A fusion protein according to claim 66, wherein the chemical derivatization results from a nucleophilic substitution reaction.

Claim 68 (withdrawn): A fusion protein according to claim 66, wherein the chemical derivatization results from an oxidation reaction.

Claim 69 (withdrawn): A fusion protein according to claim 66, wherein the chemical derivatization results from a metal coordination reaction.

Claim 70 (withdrawn): A fusion protein according to claim 66, wherein a product of chemical derivatization of the selenocysteine in the peptide is a chemical functionality selected from the group consisting of enzyme substrates, enzyme cofactors, enzyme inhibitors, receptor ligands and cytotoxic agents.

Claim 71 (currently amended): A fusion protein according to claim ~~69~~ 59, wherein the selenocysteine-containing peptide further comprises an enzyme substrate or is modified at the selenocysteine to form an enzyme substrate.

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Claim 72 (withdrawn): A fusion protein according to claim 71, wherein the enzyme substrate forms a reaction product in the presence of an enzyme and the enzyme substrate is located on the surface of the amplifiable genetic particle.

Claim 73 (withdrawn): A fusion protein of claim 72, wherein the reaction product is capable of binding to an affinity substrate.

Claim 74 (withdrawn): A fusion protein, according to claim 72, wherein the recombinant protein is selected from a library of variants of a single enzyme, wherein each variant contains one or more amino acid substitutions relative to the native enzyme.

Claim 75 (withdrawn): A fusion protein according to claim 72, wherein the recombinant protein is selected from an expressed c-DNA library.